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Contribution to the knowledge of Chrysididae fauna of Turkey. Part 2: Elampinae (Hymenoptera, Chrysididae)

E. YILDIRIM & F. STRUMIA

A b s t r a c t : This investigation is based on material collected from different localities in Turkey between 1986 and 2005. In this study, from the subfamily Elampinae 61 species and subspecies in seven genera have been recorded in Turkey.

K e y w o r d s : Hymenoptera, Chrysididae, Elampinae, Elampini, fauna, Turkey.

Introduction

The first part of the Chrysididae fauna of Turkey covered the subfamilies Cleptinae (YILDIRIM & STRUMIA 2000). The second part includes the subfamily Elampinae, tribe Elampini. The Elampini both of which show three visible gastral segments in males and females, contain a mixture of parasitoid and cleptoparasitic forms which prey on the aculeate families Eumenidae, Sphecidae and Apidae.

The information related to the material and literature references were given in the first part. All taxa and provinces of the collected specimens are given in alphabetical order in the following list. The material is deposited in the Entomology Museum, Erzurum, Turkey (EMET) and in the collection of F. Strumia.

Results

In this study, 61 species and subspecies of seven genera belong to Elampinae subfamily of Chrysididae is reported in Turkey.

Tribe E l a m p i n i

Genus *E l a m p u s* SPINOLA 1806

Elampus pyrosomus **FÖRSTER 1853**

M a t e r i a l e x a m i n e d : Erzurum: Abdurrahmangazi, 2400 m, 23.VIII.1993, ♀, Palandöken, 10.VIII.1993, ♂, University field, 1850 m, 10.VIII.1993, ♂.

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***Elampus sanzii* GOGORZA 1887**

M a t e r i a l e x a m i n e d : Erzincan: 1250 m, 5.VIII.1994, ♂; Erzurum: University field, 1850 m, 8.VII.1997, ♂, 14.VII.1993, ♂, 8.VII.1997, ♂, 24.VIII.1992, ♂.

***Elampus scutellaris* m. *coeruleus* DAHLBOM 1854**

M a t e r i a l e x a m i n e d : Diyarbakır: Silvan, 900 m, 17.IV.1995, ♂.

***Elampus scutellaris scutellaris* (PANZER 1798) (=*panzeri* FABRICIUS 1804)**

M a t e r i a l e x a m i n e d : Erzincan: 1250 m, 5.VIII.1994, ♀; Erzurum: University field, 1850 m, 8.VII.1997, ♂, 14.VII.1993, ♂, 24.VIII.1992, ♂.

***Elampus spinus* LEPELETIER 1806**

M a t e r i a l e x a m i n e d : Bilecik: 600 m, 15.VII.1995, ♀; Diyarbakır: Silvan, 600 m, 17.IV.1995, ♀; Erzincan: 1250 m, 6.VII.1995, ♂, 3.VIII.1994, ♀; Erzurum: University field, 1850 m, 6.VII.1992, 2♂♂, 20.VII.1993, ♀, Ilıca, Sorkunlu, 1850 m, 30.VII.1998, ♂, Oltu, Sütkans, 1500 m, 25.VI.1996, ♀, ♂, Tortum, Pehlivanlı, 1200 m, 12.VII.1992, ♀; Kars: Digor, 21.VI.1995, ♂, Kağızman, 1100 m, 16.VI.1999, ♂.

Genus *H e d y c h r i d i u m* ABEILLE 1878

***Hedychridium aheneum* (DAHLBOM 1854)**

M a t e r i a l e x a m i n e d : Antalya: Belkız, 3.VIII.1994, ♀.

***Hedychridium aheneum* m. *feritatum* LINSENMAIER 1959**

M a t e r i a l e x a m i n e d : Erzincan: 1250 m, 14.VI.1994, ♂; Erzurum: University field, 1850 m, 29.VII.1992, ♀, Ilıca, Atlıkonak, 1950 m, 8.VII.1997, ♀.

***Hedychridium ardens* (COQUEBERT 1801)**

M a t e r i a l e x a m i n e d : Erzurum: Dutçu, 2200 m, 18.VII.1999, ♀, Konaklı, 2000 m, 22.VII.2000, ♂, Palandöken, 2400 m, 13.VII.1992, ♀, University field, 1850 m, 29.VII.1992, ♀, İspir, Madenköprübaşı, 1000 m, 18.VI.1994, ♀, 7.VII.1996, ♀, Olur, Süngübayır, 1850 m, 23.VII.1992, ♀.

***Hedychridium buyssoni* ABEILLE 1887**

M a t e r i a l e x a m i n e d : Erzurum: Güzelyayla, 2200 m, 29.VIII.1992, ♀.

***Hedychridium bytinskii* LINSENMAIER 1959**

M a t e r i a l e x a m i n e d : Bingöl: Hamamlar, 1300 m, 5.VI.2003, ♀.

***Hedychridium caucasium caucasium* TRAUTMANN 1926**

M a t e r i a l e x a m i n e d : Artvin: Arhavi, 10.IX.1992, ♂; Erzincan: 1250 m, 23.VI.1994, 5.VIII.1995, ♂; Erzurum: Güzelova, 2200 m, 12.VIII.1992, ♂, Güzelyayla, 2200 m, 12.VIII.1992, ♂, Kırkgözeler, 1900 m, 12.VIII.1993, ♂, Palandöken, 2400 m, 10.VIII.1993, ♂, University field, 1850 m, 14.VII.1993, 2♂♂, 29.VII.1992, ♂, 5.VIII.1996, ♂, 10.VIII.1992, ♂, Ilıca, Atlıkonak,

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1950 m, 8.VII.1997, ♂, Rizekent, 2000 m, 30.VII.1998, ♂, Olur, Güngördü, 1900 m, 21.VIII.1992, ♂, Süngübayır, 1850 m, 1.IX.1993, ♂, Şenkaya, Akşar, 1300 m, 24.VII.1993, 2♂♂, 26.VII.1994, ♀, 1.VIII.1993, 2♂♂, Turnalı, 1750 m, 10.VIII.1997, ♂; Iğdır: Yaya, 24.VIII.1997, ♂; Tokat: 900 m, 19.VIII.1992, ♂.

Hedychridium caucasium irregulare LINSENMAIER 1959

Material examined: Bilecik: 600 m, 15.VII.1995, 4♂♂; Erzurum: İspir, Madenköprübaşı, 1100 m, 18.VI.1994, ♂.

Hedychridium femoratum (DAHLBOM 1854)

Material examined: Niğde: Ulukışla, Çiftehan, 1050 m, 8.VIII.1999, ♀.

Hedychridium femoratum m. *miricolor* MORICE 1909

Material examined: Bilecik: 600 m, 15.VII.1995, ♀; Erzincan: 1250 m, 11.VII.1994, ♀, 23.VI.1994; Erzurum: Dereboğazı, 2070 m, 11.VII.1994, ♂, University field, 1850 m, 20.VII.1993, ♀, Ilıca, Atlıkonak, 1950 m, 12.VII.1997, ♀, Pasinler, Çalıyazı, 2400 m, 10.VII.1997, ♀.

Hedychridium flavipes EVERSMANN 1857

Material examined: Elazığ: Halköy, 10.VIII.1997, ♀; Erzincan: 1250 m, 18.VII.1997, ♂; Erzurum: Palandöken, 2400 m, 13.VII.1994, ♀, Olur, Sarıbaşak, 1750 m, 24.VIII.1992, ♀, Pazaryolu, 1100 m, 27.VIII.1992, ♂, Şenkaya, Turnalı, 1750 m, 10.VIII.1997, ♀.

Hedychridium lampadum limassolense LINSENMAIER 1959

Material examined: Artvin: Ardanuç, Ferhatlı, 900 m, 7.VII.1994, ♀; Bayburt: Demirözü, 20.VIII.1991, ♀; Bilecik: 600 m, 15.VIII.1995, ♀; Erzincan: 1250 m, 6.VII.1994, 6♀♀, 11.VII.1994, 4♀♀, 18.VII.1997, 8♀♀; Üzümlü, 1300 m, 16.VI.1994, ♀, Bayırbağ, 1350 m, 10.VIII.1992, ♂; Erzurum: Dutçu, 2000 m, 18.VIII.1993, 2♀♀, Güzelova, 2200 m, 12.VIII.1992, 4♀♀, Palandöken, 2400 m, 19.VIII.1993, 3♀♀, University field, 1850 m, 19.VII.1993, ♀, Aşkale, 1950 m, 15.VII.1992, ♀, 16.VII.1999, ♀, Ilıca, Rizekent, 2000 m, 30.VII.1998, ♀, Sorkumlu, 30.VII.1998, ♀, İspir, Madenköprübaşı, 1000 m, 7.VII.1996, ♀, 8.VIII.1992, ♀, Oltu, Kurupınar, 1300 m, 30.VIII.1992, 2♀♀, Olur, 1100 m, 22.VII.1992, ♀, Süngübayır, 1850 m, 23.VII.1992, ♀, 20.VIII.1992, ♀, 24.VIII.1992, 2♀♀, 1.IX.1992, ♀, Güngöründü, 2000 m, 21.VIII.1992, ♀, Pasinler, 1650 m, 11.VIII.1992, ♀, 11.VIII.1992, ♀, 24.VIII.1992, ♀, Büyükdere, 1940 m, 10.VIII.1994, ♀, 11.VIII.1992, 3♀♀, 17.VIII.1996, 2♀♀, Pazaryolu, 1150 m, 3.VII.1997, ♀, 9.VII.1997, ♀, 27.VIII.1992, ♀, Şenkaya, Akşar, 1300 m, 24.VII.1993, ♀, 26.VII.1994, 2♀♀, 1.VIII.1993, ♀, Turnalı, 1750 m, 28.VII.1993, ♀, 29.VII.1994, ♀; Kars: Digor, Bostankale, 1770 m, 17.VII.2005, 3♀♀, Sarıkamış, Karakurt, 1600 m, 23.VI.2005, ♀; Samsun: Gürgendağ, 22.VIII.1992, ♀; Tokat: 1500 m, 19.VIII.1992, ♀.

Hedychridium maculiventre LINSENMAIER 1959

Material examined: Erzurum: İspir, Madenköprübaşı, 1100 m, 28.VIII.1992, ♂, Oltu, Anzavderesi, 5.VII.1995, ♀.

Hedychridium moricei BUYSSON 1904

Material examined: Erzincan: 1250 m, 23.VI.1994, ♀; Konya: Sille, 1350 m, 10.VIII.1999, ♀.

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Hedychridium palestinense sculpturatissimum LINSENMAIER 1959

M a t e r i a l e x a m i n e d : Erzincan: 1250 m, 18.VII.1997, ♀; Erzurum: Şenkaya, Akşar, 1300 m, 1.VIII.1993, ♂.

Hedychridium roseum (ROSSI 1790)

M a t e r i a l e x a m i n e d : Erzincan: 1250 m, 6.VII.1995, 3♀♀, 17.VII.1994, ♀; Erzurum: Dereboğazı, 1900 m, 11.VIII.1994, ♀, University field, 1850 m, 4.VIII.1998, ♀, Aşkale, 1950 m, 16.VII.1999, ♀, Ilıca, Rizekent, 2000 m, 30.VII.1998, 2♀♀, İspir, Madenköprübaşı, 1000 m, 18.VII.1994, ♀, Oltu, Başaklı, 1750 m, 30.VIII.1992, ♀, Olur, Süngübayır, 1850 m, 20.VIII.1994, ♀, Pasinler, 1650 m, 11.VIII.1992, ♀, 13.VIII.1992, ♀, Şenkaya, Akşar, 1300 m, 26.VII.1994, ♀, Penek, 1200 m, 9.VII.1992, ♀, Turnalı, 1750 m, 28.VII.1993, ♀; Konya: Güneysınır, Gürağaç, 8.VII.2000, ♂; Tokat: 900 m, 19.VIII.1992, 2♀♀.

Hedychridium sculpturatum (ABEILLE 1877)

M a t e r i a l e x a m i n e d : Erzurum: 1900 m, 27.VI.2003, ♂, Oltu, Sütkans, 1500 m, 25.VI.1996, ♂.

Genus *H e d y c h r u m* LATREILLE 1802

Hedychrum aureicolle MOCSARY 1889

M a t e r i a l e x a m i n e d : Artvin: Yusufeli, Altıparmak, 1100 m, 5.VI.1994, ♀, Sarıgöl, 900 m, 15.VII.1994, ♂; Bayburt: Kopdağı, 2200 m, 9.VIII.1994, ♀, ♂, 13.VIII.1997, ♀; Erzincan: 1250 m, 23.VI.1994, ♀, 7.VII.1993, 2♀♀, Üzümlü, 1300 m, 8.VII.1993, ♂; Erzurum: Dutçu, 2200 m, 18.VII.1999, ♂, Güzelova, 2200 m, 12.VIII.1992, ♀, Güzelyayla, 2300 m, 29.VIII.1992, ♂, Konaklı, 2000 m, 22.VII.2000, ♀, University field, 1850 m, 15.VII.1997, ♀, 8.VIII.1992, ♀, 8.VIII.1993, ♀, 10.VIII.1992, 2♀♀, 11.VIII.1993, ♀, 15.VIII.1997, ♀, Horasan, Ardı, 1900 m, 15.VIII.1993,♀, İspir, Madenköprübaşı, 1100 m, 18.VI.1994, ♀, Oltu, Çamlıbel, 1700 m, 14.VII.1996, ♀, ♂, Olur, Güngöründü, 1900 m, 21.VIII.1992, ♀, Süngübayır, 1850 m, 20.VII.1994, ♀, Pasinler, 1650 m, 4.VII.1993, ♂, Büyükdere, 1950 m, 10.VII.1994, ♀, 10.VIII.1994, 2♀♀, Çalıyazı, 2400 m, 27.VIII.1996, ♀, Şenkaya, Akşar, 1300 m, 14.VII.1997, ♂, Penek,1200 m, 9.VII.1992, ♀.

Hedychrum gerstaeckeri CHEVRIER 1869

M a t e r i a l e x a m i n e d : Ankara: Haymana, 29.VII.1997, ♀; Artvin: Arhavi, 10.IX.1992, ♀, ♂, Yusufeli, Demirkent, 450 m, 6.VII.1994, ♂; Erzincan: Üzümlü, 1300 m, 8.VII.1993, ♀; Erzurum: Güzelyayla, 2200 m, 29.VIII.1992, ♀, Palandöken, 2400 m, 28.VII.1992, ♂, 10.VIII.1993, ♂, University field, 1850 m, 8.VI.1992, ♀, 20.VII.1993, ♀, 29.VII.1993, 2♀♀, 8.VIII.1993, ♀, Çat, 2000 m, 11.VII.1994, ♀, Oltu, Başaklı, 1700 m, 18.VII.1992, Çamlıbel, 1250 m, 2.VII. 1997, ♂, ♀, Olur, Çoşkunlar, 1300 m, 12.VI.1997, ♀, Oğuzkent, 2050 m, 23.VIII.1992, ♀, Süngübayır, 1.IX.1993, ♂, Pasinler, 1650 m, 8.VIII.1997, ♀, 11,VIII.1997, ♀, Şenkaya, Gezenek, 1600 m, 14.VIII.1998, ♂, Turnalı, 1750 m,14.VII.1996, ♂, 28.VII.1993, ♀, 10.VIII.1997, ♀, Tortum, Arılı, 1700 m, 24.VIII.1993, ♀; Kars: Sarıkamış, Karakurt, 1600 m, 25.VIII.1997, ♂.

Hedychrum longicolle ABEILLE 1877

M a t e r i a l e x a m i n e d : Erzurum: University field, 1850 m, 5.VIII.1996, ♂.

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Hedychrum luculentum m. *bytinskii* LINSENMAIER 1959

M a t e r i a l e x a m i n e d : Artvin: Yusufeli, Sarıgöl, 900 m, 5.VII.1994, ♀; Bayburt: Kopdağı, 2200 m, 9.VIII.1994, ♀; Erzurum: Olur, Süngübayır, 1900 m, 2.VII.1998, ♀; Kars: Sarıkamış, Karakurt, 1600 m, 23.VI.2005, ♀.

Hedychrum luculentum luculentum FÖRSTER 1853

M a t e r i a l e x a m i n e d : Artvin: Yusufeli, Altıparmak, 1100 m, 5.VII.1994, ♀, Demirkent, 450 m, 6.VII.1994, 2♀♀, Zeytinlik, 450 m, 6.VII.1994, ♀; Bayburt: Kopdağı, 2200 m, 9.VIII.1994, 2♀♀; Erzurum: Güzelova, 2200 m, 29.VIII.1992, ♀, Kargapazarı Mts., 2400 m, 14.VI.1997, ♀, University field, 1850 m, 12.VIII.1993, ♀, 15.VIII.1997, ♀, 16.VIII.1992, ♀, Şenkaya, Turnalı, 1750 m, 25.VII.1997, ♀, Tortum, Aşağı Meydanlar, 1750 m, 24.VIII.1993, ♀.

Hedychrum niemelai LINSENMAIER 1959

M a t e r i a l e x a m i n e d : Artvin: Yusufeli, Demirkent, 450 m, 6.VII.1994; Erzurum: University field, 1850 m, 8.VIII.1997, ♂.

Hedychrum nobile (SCOPOLI 1763)

M a t e r i a l e x a m i n e d : Artvin: Arhavi, 10.IX.1992, ♂, Yusufeli, Demirkent, 450 m, 6.VII.1994, 2♂♂, Sarıgöl, 5.VII.1994, ♂; Balıkesir: Ayvalık, 10.VII.1996, ♂; Bayburt: Kopdağı, 2200 m, 23.VIII.1997, ♂; Bilecik: 600 m, 15.VII.1995, 3♂♂; Erzurum: Güzelova, 2200 m, 12.VIII.1992, ♂, University field, 1850 m, 6.VIII.1992, ♂, 15.VIII.1997, ♂, Ilıca, Rizekent, 1900 m, 10.VIII.1999, ♂, Şenkaya, Turnalı, 1750 m, 28.VII.1993, ♂.

Hedychrum rutilans m. *veterrinum* MOCSARRY 1914

M a t e r i a l e x a m i n e d : Erzurum: Güzelova, 2000 m, 12.VIII.1992, ♂, University field, 1850 m, 5.VIII.1996, ♂, 8.VIII.1995, ♀, 10.VIII.1992, ♂, 10.VIII.1995, 2♀♀, 15.VIII.1995, ♀, 15.VIII.1997, 2♀♀, ♂, Ilıca, Sorkumlu, 2000 m, 10.VIII.1999, ♀, Pasinler, Büyükdere, 1940 m, 10.VIII.1994, ♂, Pazaryolu, 1200 m, 15.VIII.2000, ♂; Kars: Sarıkamış, Akkurt, 1050 m, 25.VIII.1997, ♂; Konya: Güneysınır, Gürağaç, 3.IX.2000, ♂.

Genus *H o l o p y g a* DAHLBOM 1845

Holopyga amoenula amoenula DAHLBOM 1845

M a t e r i a l e x a m i n e d : Antalya: Belkız, 3.VIII.1994, ♂; Artvin: Ardanuç, Ferhatlı, 650 m, 7.VII.1994, ♀; Erzincan: 1250 m, 14.VI.1994, ♂; Erzurum: Güzelova, 2200 m, 12.VIII.1992, ♀, Palandöken, 2400 m, 23.VII.1997, ♀, 10.VIII.1993, ♂, University field, 1850 m, 3.VII.1992, ♀, 8.VI.1995, ♀, 19.VII.1993, ♀, 9.VIII.1993, ♂, 10.VIII.1992, ♂, Aşkale, Pırnakapan, 1700 m, 9.VIII.1994, ♂, Ilıca, Rizekent, 2200 m 30.VII.1998, ♀, Sorkunlu, 1850 m, 30.VII.1998, ♀, Oltu, Başaklı, 1700 m, 30.VIII.1992, ♀, Olur, 1250 m, 22.VI.1992, ♀, Güngöründü, 1900 m, 21.VII.1992, ♀, Süngübayır, 1850 m, 20.VIII.1992, ♀, Pasinler, 1650 m, 13.VIII.1992, ♀, Şenkaya, Gezenek, 1600 m, 14.VIII.1994, 5♀♀, Turnalı, 1750 m, 28.VII.1993, ♀, ♂, 10.VIII.1997, ♂, Tortum, Arılı, 1700 m, 24.VIII.1993, ♀, Şenyurt, 1600 m, 12.VIII.1993, ♀; Muş: 26.VIII.1996, ♂; Tokat: 900 m, 19.VIII.1992, ♀, ♂.

Holopyga amoenula occidenta LINSENMAIER 1959

M a t e r i a l e x a m i n e d : Erzincan: Üzümlü, Bayırbağ, 1350 m, 10.VIII.1992, ♂; Erzurum: Güzelova, 2200 m, 12.VIII.1992, 2♂♂, Palandöken, 2400 m, 13.VII.1993, ♂, 10.VIII.1993, ♂,

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University field, 1850 m, 1.VII.1992, ♂, 23.VII.1992, ♂, 29.VII.1992, ♂, Ilıca, Sorkumlu, 1850 m, 30.VII.1996, ♂, İspir, 1200 m, 17.VII.1992, ♂, Oltu, Çamlıbel, 1750 m, 2.VII.1997, ♂, Pasinler, 1650 m, 13.VII.1996, ♂, Şenkaya, Turnalı, 1750 m, 10.VIII.1997, ♂.

Holopyga amoenula oriensa LINSENMAIER 1959

M a t e r i a l e x a m i n e d : Erzurum: Kırkgözeler, 1900 m, 12.VIII.1992, ♂, Konaklı, 2000 m, 22.VII.2000, ♂, University field, 1850 m, 29.VII.1992, ♂.

Holopyga bifigurata LINSENMAIER 1968

M a t e r i a l e x a m i n e d : Erzincan: 1250 m, 7.VII.1993, ♂, 11.VII.1994, ♂, 18.VII.1997, ♂; Erzurum: 1850 m, 25.VIII.1992, ♂, Kırkgözeler, 1900 m, 12.VII. 1992, ♂, Köşk, 2000 m, 20.VI.1996, ♀, Palandöken, 2400 m, 21.VI.1994, ♂, 23.VII.1997, ♂, University field, 1850 m, 3.VII.1992, ♂, 6.VII.1992, ♂, 8.VII.1997, 2♂♂, 12.VII.1993, ♂, 14.VII.1993, 2♂♂, 19.VII.1993, ♂, 23.VII.1992, 2♂♂, 29.VII.1992, 2♂♂, 4.VIII.1998, ♂, 6.VIII.1992, ♂, 8.VIII.1993, ♂, 10.VIII.1992, ♂, 15.VIII.1992, ♂, 28.VIII.1992, ♂, Aşkale, 1750 m, 9.VIII.1994, 2♂♂, Çat, Taşağıl, 2200 m, 1.VIII.1994, ♂, Ilıca, Rizekent, 2200 m 30.VII.1998, ♂, Oltu, Çamlıbel, 1750 m, 2.VIII.1997, ♂, 14.VII.1996, ♂, Olur, 2050 m, 23.VIII.1992, ♂, Pasinler, 1650 m,11.VII.1992, ♂, Çalıyazı, 2200 m, 27.VIII.1996, ♂, Şenkaya, Akşar, 1300 m, 26.VII.1994, 2♂♂, 1.VIII.1993, ♂, Gezenek, 1600 m, 14.VIII.1994, 8♂♂, Timurkışla, 1400 m, 14.VIII.1998, ♂, Turnalı, 1750 m, 20.VI.1997, ♂, 28.VII.1993, ♀, ♂, Tortum, Arılı, 1700 m, 24.VIII.1993, ♂, Aşağı Meydanlar, 1750 m, 7.VIII.1996, ♂, Kireçli, 2000 m, 25.VI.1996, ♂; Kars: Sarıkamış, Yeniköy, 1950 m, 17.VIII.1998, ♂; Konya: Sille, 1350 m, 10.VIII.1999, ♂; Osmaniye: Nurdağı, 2.V.1992, ♂; Samsun: Gürgendağı, 22.VIII.1992, ♂.

Holopyga chrysonota m. *appliata* LINSENMAIER 1959

M a t e r i a l e x a m i n e d : Erzincan: 1250 m, 18.VII.1997, ♂, Bahçeli, 1200 m, 6.VII.1995, ♂; Erzurum: Dutçu, 1950 m, 20.VI.1994, ♀, 28.VII.1993, ♀, Güzelova, 2200 m, 12.VIII.1992, 2♀♀, Konaklı, 2000 m, 22.VII.2000, 2♀♀, ♂, Palandöken, 2400 m, 13.VII.1993, ♀, 23.VII.1996, ♀, 28.VII.1996, ♀, University field, 1850 m, 21.VI.1995, 2♂♂, 8.VII.1997, ♀, 12.VII.1993, 2♂♂, 14.VII.1993, 5♀♀, ♂, 19.VII.1993, ♂, 29.VII.1992, 2♀♀, 4.VIII.1998, ♀, 8.VIII.1995, ♀, 10.VIII.1993, ♂, 15.VIII.1993, ♀, 15.VIII.1997, ♀, 21.VIII.1996, ♀, Hınıs, Söylemez, 1750 m, 28.VI.2005, 2♀♀, İspir, 1100 m, 17.VII.1993, ♂, Pasinler, 1650 m, 4.VIII.1993, ♀, Tortum, Pehlivanlı, 1400 m, 12.VII.1992, ♀, ♂, Uzundere, 1000 m, 12.VIII.1993, ♀; Kars: Sarıkamış, Karakurt, 1600 m, 25.VIII.1997, ♀, 23.VI.2005, ♀, Yeniköy, 1950 m, 17.VIII.1998, ♂.

Holopyga cypruscula cypruscula LINSENMAIER 1959

M a t e r i a l e x a m i n e d : Erzurum: Güzelova, 1900 m, 12.VIII.1992, ♂, Olur, Oğuzkent, 23.VIII.1992, ♂.

Holopyga cypruscula m. *detrita* LINSENMAIER 1959

M a t e r i a l e x a m i n e d : Erzurum: Dutçu, 1900 m, 28.VIII.1993, 2♂♂, Palandöken, 2400 m, 13.VII.1994, ♂, 28.VII.1992, ♂, 19.VIII.1993, ♂, University field, 1850 m, 29.VI.1992, 3♂♂, 1.VII.1992, ♂, 2.VII.1992, ♂, 3.VII.1992, 2♂♂, 6.VII.1992, ♂, 12.VII.1993, ♂, 20.VII.1993, ♂, 29.VII.1992, ♂, 29.VII.1993, ♂, 8.VIII.1993, 3♂♂, 10.VIII.1992, 6♂♂, Aşkale, 2080 m, 9.VIII.1994, ♂, Pasinler, 1650 m, 17.VII.1996, ♂, 3.VIII.1992, ♂, Büyükdere, 1940 m, 10.VIII.1994, ♂, Pazaryolu, 1150 m, 27.VIII.1992, ♂, Şenkaya, Akşar, 1300 m, 26.VII.1994, 3♂♂, Tortum, Pehlivanlı, 1400 m, 12.VII.1992, ♂.

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Holopyga fervida DAHLBOM 1854

M a t e r i a l e x a m i n e d : Bilecik: 600 m, 15.VII.1995, ♀; Denizli: Pamukkale, 5.V.1994, ♀; Erzurum: University field, 1850 m, 23.VII.1992, ♂, 29.VII.1992, ♂, Hınıs, 1750 m, 19.VII.2000, ♀, Olur, 1300 m, 21.VIII.1992, ♀, ♂, Pasinler, 1650 m, 8.VIII.1992, ♀; İçel: Erdemli, 23.V.1992, ♂; Kars: Digor, Bostankale, 1770 m, 17.VII.2005, ♂; Tokat: 900 m, 19.VIII.1992, 3♂♂.

Holopyga generosa generosa (FÖRSTER 1853)

M a t e r i a l e x a m i n e d : Erzincan: 1250 m, 6.VII.1994, 3♀♀, ♂, 14.VII.1994, ♀, 18.VII.1997, ♂; Erzurum: 1850 m, 15.VII.1986, ♂, Dereboğazı, 2070 m, 11.VIII.1994, ♂, Dutçu, 2000 m, 25.V.1992, ♂, 26.VI.1994, ♂, 30.VI.1993, 2♂♂, 28.VII.1993, 2♂♂, 11.VIII.1992, ♂, Güzelova, 2200 m, 12.VIII.1992, ♂, Kırkgözeler, 1900 m, 12.VII. 1992, ♂, Palandöken, 2400 m, 21.VI.1994, ♂, 22.VII.1992, ♂, 23.VII.1997, 2♂♂, 28.VII.1992, ♂, 19.VIII.1993, ♂, University field, 1850 m, 2.VI.1994, ♂, 20.VI.1994, 2♂♂, 2.VII.1992, ♂, 3.VI.1992, ♂, 6.VII.1992, ♂, 7.VII.1996, ♂, 7.VII.1997, ♂, 8.VII.1996, 2♂♂, 12.VII.1993, ♂, 15.VII.1997, ♂, 20.VII.1993, 2♂♂, 23.VII.1993, 2♂♂, 29.VII.1992, 14♂♂, 6.VIII.1992, ♂, 8.VIII.1993, 4♂♂, 10.VIII.1992, 7♂♂, 11.VIII.1993, 4♂♂, 15.VIII.1993, 8♂♂, 29.VIII.1992, ♀, ♂, Köprüköy, Yağan, 1900 m, 28.VI.2005, ♂, 10.VII.1994, ♂, Oltu, Çamlıbel, 1750 m, 2.VIII.1997, ♂, Olur, Oğuzkent, 23.VIII.1992, ♂, Pasinler, 1650 m, 17.VII.1996, ♂, 4.VIII.1993, ♂, Çalıyazı, 2400 m, 10.VII.1997, ♂, Pelitli, 2000 m, 14.VII.1999, ♂, Pazaryolu, 1150 m, 27.VIII.1992, 4♂♂, Şenkaya, Gezenek, 1600 m, 14.VIII.1994, ♂, Tortum, 1650 m, 10.VI.1997, ♂; Kars: Digor, Bostankale, 1770 m, 17.VII.2005, ♀, Kalebaş, 1900 m, 22.VIII.1997, ♂; Tokat: 1500 m, 19.VIII.1992, ♂.

Holopyga generosa m. *crassepunctata* SEMENOV 1954

M a t e r i a l e x a m i n e d : Erzurum: Karayazı, 1900 m, 25.VII.1997, ♂.

Holopyga ignicollis DAHLBOM 1854

M a t e r i a l e x a m i n e d : Ankara: Şereflikoçhisar, 24.VIII.1996, ♂; Artvin: Yusufeli, Kınalıçam, 900 m, 4.VII.1994, ♂; Balıkesir: Ayvalık, 8.VIII.1998, ♂; Bayburt: Kopdağı, 2200 m, 9.VII.1994, ♂; Bilecik: 600 m, 15.VI.1995, ♂; Erzincan: 1250 m, 14.VI.1994, ♀, ♂, 18.VII.1997, ♀, 5.VIII.1995, 2♂♂, Üzümlü, 1300 m, 8.VII.1993, ♂, Bayırbağ, 1350 m, 10.VIII.1992, ♂; Erzurum: 2.IX.1988, ♂, Dereboğazı, 2070 m, 11.VIII.1994, ♂, Dumlu, 28.VII.1999, ♂, Dutçu, 2000 m, 30.VI.1993, 2♀♀, 28.VII.1993, ♂, Güzelova, 2200 m, 12.VIII.1992, 7♀♀, Kırkgözeler, 1900 m, 12.VII.1992, 3♀♀, Köşk, 1950 m, 20.VI.1996, ♂, 14.VII.1992, ♂, Palandöken, 2400 m, 21.VI.1994, 2♀♀, ♂, 7.VII.1996, ♀, 13.VII.1993, 2♀♀, 23.VII.1996, 3♀♀, 2♂♂, 2.VIII.1994, ♀, ♂, 19.VIII.1993, ♀, University field, 1850 m, 10.VI.1994, ♂, 1.VII.1992, 2♂♂, 1.VII.1995, ♀, 2.VII.1992, ♂, 3.VII.1992, 2♂♂, 6.VII.1992, ♂, 8.VII.1997, 3♀♀, ♂, 12.VII.1993, 2♀♀, ♂, 14.VII.1993, ♀, ♂, 15.VII.1997, 2♂♂, 19.VII.1993, 3♀♀, 20.VII.1993, 3♂♂, 29.VII.1992, 6♀♀, 2♂♂, 4.VIII.1996, ♀, 4.VIII.1998, ♀, 3♂♂, 5.VIII.1996, 3♀♀, 8.VIII.1993, ♀, 3♂♂, 8.VIII.1999, ♂, 10.VIII.1992, 2♂♂, 10.VIII.1993, 2♂♂, 11.VIII.1993, 2♀♀, 13.VIII.1992, ♀, ♂, 15.VIII.1993, ♀, ♂, 17.VIII.1992, ♂, 24.VIII.1992, ♀, 2♂♂, 28.VIII.1992, ♀, 3♂♂, 15.IX.1993, ♀, 17.IX.1993, ♀, Aşkale, 1800 m, 16.VII.1999, ♂, Ilıca, Atlıkonak, 1900 m, 11.VI.2000, ♂, 8.VII.1997, ♀, Rizekent, 2200 m, 30.VII.1998, ♂, İspir, Madenköprübaşı, 1100 m, 17.VII.1992, ♂, Oltu, Başaklı, 1700 m, 25.VI.1997,♂, 28.VII.1992, ♂, Pasinler, 1650 m, 11.VIII.1992, ♂, 13.VIII.1992, ♀, ♂, Çalıyazı, 2400 m, 10.VII.1997, 2♀♀, Pelitli, 2000 m, 14.VII.1998, ♀, 27.VII.1996, ♂, Pazaryolu, 1150 m, 27.VIII.1992, 2♀♀, Şenkaya, Akşar, 1300 m, 26.VII.1994, 2♀♀, ♂, Timurkışla, 1400 m, 14.VII.1998, 2♂♂, Turnalı, 1750 m, 28.VII.1993, ♂, 10.VIII.1997, 2♀♀, Tortum, Aşağı Meydanlar, 1750 m, 7.VIII.1996, ♀, 24.VIII.1994, ♀; Kars: Sarıkamış, Karakurt, 1600 m, 25.VIII.1997, 5♀♀, Yeniköy, 1900 m, 17.VIII.1994, 3♀♀; Tokat: 1500 m, 19.VIII.1992, ♀, 2♂♂.

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Holopyga inflammata (FÖRSTER 1853)

M a t e r i a l e x a m i n e d : Erzincan: 1250 m, 18.VII.1997, ♀; Erzurum: Güzelova, 2200 m, 12.VIII.1992, 5♀♀, Palandöken, 2400 m, 23.VII.1997, ♀, 28.VIII.1992, ♀, Şenyurt, 1900 m, 12.VII.1993, ♀, University field, 1850 m, 20.VI.1994, ♀, 6.VII.1992, ♀, 8.VII.1997, ♀, ♂, 20.VII.1993, ♀, 23.VII.1992, ♀, 29.VII.1992, ♀, 10.VIII.1992, ♀, 17.VIII.1992, ♀, 1.IX.1993, ♀, 17.IX.1993, ♀, Aşkale, Pırnakapan, 1650 m, 17.VII.2005, ♀, Ilıca, Atlıkonak, 1900 m, 8.VII.1997, 2♀♀, 12.VII.1997, ♀, Rizekent, 2000 m, 30.VII.1998, ♀, Narman, 1650 m, 27.VI.1997, ♀, Oltu, Karakol, 1.VII.2000, ♂, Sütkans, 1650 m, 18.VI.1996, ♀, 25.VI.1996, ♀, Olur, Süngübayır, 1850 m, 10.VII.1994, ♀, 23.VII.1992, ♀, Pasinler, 1650 m,17.VII.1996, 2♀♀, Çalıyazı, 2400 m, 10.VII.1997, 2♀♀, 11.VIII.1992, ♀, Şenkaya, Akşar, 1300 m, 1.VIII.1993, ♀, Soğanlı Mt. 2450 m 13.VIII.1998, ♀, Turnalı, 1750 m, 25.VII.1996, ♀, 28.VII.1993, 2♀♀, ♂, Tortum, Alapınar, 19.VI.2003, ♀; Kars: Digor, Bostankale, 1770 m, 17.VII.2005, ♀, Sarıkamış, Karakurt, 1600 m, 25.VIII.1997, ♀; Tokat: 1500 m, 19.VIII.1992, ♀.

Holopyga jurinei CHEVRIER 1862

M a t e r i a l e x a m i n e d : Erzincan: 1250 m, 18.VII.1997, ♀; Erzurum: Dutçu, 2000 m, 28.VII.1993, ♂, Güzelova, 2200 m, 12.VIII.1992, ♀, Köşk, 2000 m, 14.VII.1992, ♂, Palandöken, 2400 m, 2.VII.1994, ♀, 13.VII.1994, 4♂♂, 22.VII.1994, ♂, 23.VII.1996, ♀, ♂, University field, 1850 m, 14.VI.1993, 2♂♂, 20.VI.1996, ♀, 2.VII.1992, ♂, 3.VII.1992, ♂, 6.VII.1992, 2♂♂, 19.VII.1993, ♂, 23.VII.1993, ♂, 29.VII.1992, ♂, 8.VIII.1993, 3♂♂, 10.VIII.1992, ♀, 5♂♂, 16.VIII.1993, ♂, Ilıca, Atlıkonak, 1900 m, 29.VI.1999, ♀, Rizekent, 2000 m, 30.VII.1998, 3♂♂ Oltu, Sütkans, 1650 m, 2.VII.1998, ♀, Olur, Oğuzkent, 2050 m, 23.VIII.1992, ♂, Süngübayır, 20.VII.1994, ♀, Pasinler, 1650 m, 11.VIII.1992, ♂, 13.VIII.1992, ♂, Pazaryolu, 1150 m, 27.VIII.1992, ♀, 3♂♂, Tortum, Kireçli Mt., 2450 m, 25.VI.1996, ♂.

Holopyga lucida (LEPELETIER 1806)

M a t e r i a l e x a m i n e d : Bilecik: 600 m, 15.VII, 1995, 2♀♀; Bingöl: Hamamlar, 1300 m, 5.VI.2003, ♂; Erzincan: 1250 m, 6.VII.1995, 2♀♀, 10.IX.1996, ♀; Erzurum: 1850 m, 2.IX.1988, ♂, Dutçu, 2000 m, 18.VII.1999, ♀, ♂, Güzelova, 2200 m, 12.VIII.1992, 2♀♀, ♂, Güzelyayla, 2200 m, 29.VII.1992, 2♂♂, Köşk, 20.VI.1996, ♂, Palandöken, 2400 m, 21.VI.1994, ♀, University field, 1850 m, 20.VI.1996, ♀, ♂, 2.VII.1992, ♀, 6.VII.1992, ♀, 14.VII.1993, ♀, 19.VII.1993, ♀, 20.VII.1993, ♀, 29.VII.1992, 2♀♀, 5.VIII.1996, ♀, 8.VIII.1992, ♂, 10.VIII.1992, ♂, 11.VIII.1998, ♀, 15.VIII.1993, 2♀♀, ♂, 17.VIII.1992, ♂, 28.VIII.1992, ♂, Aşkale, 1950 m, 16.VII.1999, ♂, Ilıca, Atlıkonak, 1900 m, 29.VI.1999, 2♂♂, Oltu, Sütkans, 1650 m, 18.VI.1996, ♂, Pasinler, 1650 m, 15.VII.1987, ♀, 8.VIII.1992, ♂, Çalıyazı, 2400 m, 10.VII.1997, ♂, Pazaryolu, 1150 m, 27.VIII.1992, 2♀♀, Şenkaya, Akşar, 1300 m, 26.VII.1994, ♀, Turnalı, 1750 m, 28.VII.1993, ♀; Kars: Digor, Kalebaş, 1950 m, 22.VIII.1997, ♀, ♂.

Holopyga minuma LINSENMAIER 1959

M a t e r i a l e x a m i n e d : Erzincan: 5.VIII.1995, ♀; Erzurum: 1850 m, 29.VIII.1992, 2♀♀, Palandöken, 2400 m, 7.VII.1996, ♂, 13.VII.1993, 2♂♂, 28.VII.1992, ♂, University field, 1850 m, 8.VII.1997, 4♀♀, 29.VII.1992, ♂, 10.VIII.1993, ♀, 24.VIII.1992, ♀, Aşkale, Çomoğluhanı, 1700 m, 9.VIII.1994, ♀, Olur, Güngöründü, 1900 m, 21.VIII.1992, Pazaryolu, 1150 m, 27.VIII.1992, ♂.

Holopyga mlokosiewitzi (RADOSZKOWSKI 1876)

M a t e r i a l e x a m i n e d : Erzincan: Üzümlü, 1300 m, 16.VI.1994, ♀.

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Holopyga punctatissima punctatissima **DAHLBOM 1854**

M a t e r i a l e x a m i n e d : Adana: Yumurtalık, 22.V.1992, ♂; Bilecik: 600 m, 15.VII.1995, 3♀♀; Erzincan: 1250 m, 14.VI.1994, ♀, 6.VII.1994, 2♀♀, 18.VII.1997, ♂; Erzurum: Palandöken, 2400 m, 1.VII.1997, 2♀♀, 13.VII.1994, 2♀♀, 23.VII.1996, 2♀♀, University field, 1850 m, 18.VIII.1995, ♀, 24.VIII.1992, ♀, Aşkale, 1850 m, 15.VII.1997, ♀, Ilıca, Rizekent, 2000 m, 10.VIII.1999, ♀, İspir, 1100 m, 17.VII.1992, ♀, Oltu, Çamlıbel, 1750 m, 2.VII.1997, ♀, ♂, Olur, Süngübayır, 1850 m, 20.VII.1994, 2♀♀, 23.VII.1992, ♀, Pasinler, 1650 m,11.VII.1996, 2♀♀, Şenkaya, Timurkışla, 1400 m, 14.VII.1998, ♀, Tortum, 1650 m, 12.VII.1993, ♀, Arılı, 1700 m, 24.VIII.1993, ♀, Aşağı Meydanlar, 1750 m, 7.VIII.1996, ♀, Uzundere, Dikyar, 1100 m, 31.VII.1993, ♀; Konya: Beyşehir, Gökçimen, 12.VII.1997, ♀, ♂.

Holopyga punctatissima reducta **LINSENMAIER 1959**

M a t e r i a l e x a m i n e d : Erzincan: 1250 m, 6.VII.1994, ♀; Erzurum: Pasinler, 1650 m, 13.VIII.1992, ♀, Şenkaya, Turnalı, 1750 m, 25.VII.1996, ♀, 28.VII.1993, ♀.

Holopyga speciosissima **BUYSSON 1893**

M a t e r i a l e x a m i n e d : Erzurum: University field, 1850 m, 12.VII.1993, ♂, 4.VII.1996, ♂.

Genus *O m a l u s* PANZER 1801

Omalus aeneus **(FABRICIUS 1787)**

M a t e r i a l e x a m i n e d : Ankara: Şereflikoçhisar, 24.VIII.1996, ♂; Artvin. Arhavi, 10.IX.1992, ♀; Erzincan: 1250 m, 18.VII.1997, ♂; Erzurum: Güngörmez, 2500 m, 28.VII.1998, ♂, University field, 1850 m, 29.VI.1992, ♀, ♂, 29.VII.1992, ♂, 5.VIII.1996, ♂, 10.VIII.1992, 2♂♂, 10.VIII.1992, ♂, 15.VIII.1993, 2♂♂, 28.VIII.1992, ♂, Aşkale, 1950 m, 15.VII.1997, ♂, 14.VII.1999, ♀, Pırnakapan, 9.VIII.1994, ♂, Ilıca, Atlıkonak, 29.VI.1999, ♂, Rizekent, 2000 m, 30.VII.1998, ♀, İspir, Madenköprübaşı, 1100 m, 18.VI.1994, ♀, 7.VIII.1994, ♂, Oltu, Anzavderesi, 5.VII.1995, ♀, Olur, Süngübayır, 1850 m, 20 VII.1994, 2♀♀, 1.IX.1993, ♀, Pasinler, 1650 m, 24.VIII.1992, ♂, Çalıyazı, 2400 m, 10.VII.1997, ♂, Pazaryolu, 1150 m, 30.VIII.1994, ♀, Şenkaya, Gaziler, Çakırbaba, Soğanlı Mt., 2450 m, 13.VIII.1998, Gezenek, 1600 m, 14.VIII.1998, ♂, Tortum, 1650 m, 24.VIII.1992, ♂, Aşağı Meydanlar, 1750 m, 7.VIII.1996, ♀, Uzundere, Dikyar, 1100 m, 4.IX.1994, 3♀♀; Iğdır: 900 m, 18.VII.1997, ♀.

Omalus biaccinctus **(BUYSSON 1893)**

M a t e r i a l e x a m i n e d : Erzurum: Tortum, 1600 m, 27.VII.1998, ♀.

Omalus politus **BUYSSON 1887**

M a t e r i a l e x a m i n e d : Erzurum: Ilıca, Atlıkonak, 1900 m, 29.VI.1996, ♀, Olur, Süngübayır, 1750 m, 1.IX.1993, ♀; Diyarbakır: Silvan, 900 m, 17.IV.1995, ♀, 2♂♂.

Genus *P h i l o c t e t e s* ABEILLE 1879

Philoctetes bidentulus **LEPELETIER 1806**

M a t e r i a l e x a m i n e d : Erzurum: Üniversity field, 1850 m, 30.VI.1992, ♂, 20.X.1992, ♂, Şenkaya, Turnalı, 1750 m, 22.VI.2003, ♂, Tortum, Arıbahçe, 2400 m, 20.VII.2001, ♀, Kars: Sarıkamış, 17.VIII.1998, ♂.

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Philoctetes horvathi **MOCSARY, 1889**

M a t e r i a l e x a m i n e d : Erzurum: Pasinler, 1650 m, 13.VIII.1992, ♀.

Philoctetes medanae **BUYSON 1890**

M a t e r i a l e x a m i n e d : Konya: Güneysınır, Gürağaç, 8.VII.2000, ♀.

Philoctetes sculpticollis **(ABEILLE 1878)**

M a t e r i a l e x a m i n e d : Bilecik: 600 m, 15.VII.1995, ♂.

Genus *P s e u d o m a l u s* ASHMEAD 1902

Pseudomalus auratus **(LINNAEUS 1758)**

M a t e r i a l e x a m i n e d : Antalya: Side, 2.V.1994, 2♀♀; Artvin: Ardanuç, Akarsu, 900 m, 7.VII.1994, ♀, Yusufeli, Sarıgöl, 900 m, 5.VII.1994, ♀; Bilecik: 15.VIII.1995, ♀; Bingöl: Hamamlar, 1250 m, 26.V.2003, ♀; Diyarbakır: Ergani, 27.VI.1994, ♀; Erzincan: 1250 m, 14.VI.1994, ♀, ♂, 11.VII.1994, ♀, Kemaliye, 3.V.1991, ♀; Erzurum: 13.VI.1998, ♂, 15.VII.1986, ♀, Dereboğazı, 2070 m, 11.VIII.1994, ♂, Dumlu, 1900 m, 21.VIII.1994, ♂, Dutçu, 2000 m, 11.VIII.1992, ♀, 18.VIII.1993, ♀, Güzelova, 2200 m, 12.VIII.1992, ♀, Güzelyayla, 29.VIII.1992, ♀, Konaklı, 2000 m, 22.VII.2000, 2♂♂, Köşk, 1950 m, 20.VI.1996, ♂, Palandöken, 2400 m, 6.VIII.1996, ♂, 10.VIII.1993, ♂, University field, 1850 m, 9.VI.1992, ♀, 29.VI.1992, 3♀♀, 3♂♂, 8.VII.1997, ♀, 23.VII.1992, ♀, 26.VII.1992, ♂, 29.VII.1992, ♀, 4.VIII.1996, ♀, ♂, 5.VIII.1996, ♀, 10.VIII.1992, 2♂♂, 15.VIII.1993, ♀, 17.VIII.1992, ♀, Aşkale, Pırnakapan, 1700 m, 9.VIII.1994, ♀, Çat, 2000 m, 11.VII.1994, ♀, Bozyazı, 1930 m, 11.VIII.1994, ♂, Hınıs, 22.8.1992, ♂, Söylemez, 1750 m, 28.VI.2005, ♀, Ilıca, Atlıkonak, 1900 m, 29.VI.1999, ♀, Rizekent, 2000 m, 30.VII.1998, 2♀♀, 10.VIII.1999, ♀, İspir, 1100 m, 17.VII.1992, ♂, Oltu, Gökçedere, 1400 m, 14.VIII.1998, ♀, Olur, Oğuzkent, 2050 m, 23.VII.1992, ♀, Süngübayır, 1850 m, 23.VII.1992, 2♀♀, 1.IX.1993, 2♀♀, ♂, Pasinler, 1650 m, 12.VI.1996, ♀, 8.VIII.1992, ♂, 11.VIII.1992, ♀, 13.VIII.1992, ♂, 24.VIII.1992, 2♀♀, Büyükdere, 1940 m, 10.VIII.1994, 2♀♀, ♂, Çalıyazı, 2400 m, 10.VII.1992, ♀, 10.VII.1997, 6♀♀, 4♂♂, 11.VII.1996, ♀, 14.VII.1996, ♀, ♂, Pelitli, 2000 m, 14.VII.1998, ♀, 27.VII.1996, ♂, Pazaryolu, 1150 m, 27.VIII.1992, ♀, Şenkaya, Turnalı, 1750 m, 20.VI.1997, ♂, 28.VII.1993, 2♀♀, 25.VIII.1996, ♂, Tortum, Arılı, 24.VIII.1993, ♀, Uzundere, 1100 m, 13.V.2000, ♀; Gümüşhane: Köse, 10.VII.1995, ♀, Iğdır: Tuzluca, 850 m, 24.VIII.1997, ♀; İçel: Aydıncık, 10 m, 27.VII.2005, 3♀♀; Kars: Sarıkamış, 1900 m, 17.VIII.1998, ♀; Kars: Sarıkamış, Karakurt, Şeytangeçmez, 1550 m, 23.VI.2005, ♀; Konya: Güneysınır, Gürağaç, 3.IX.2000, ♀, Sille, 1350 m, 10.VIII.1999, ♀; Malatya: Çığlık, 1150 m, 23.VII.2005, ♀, Kale, 1150 m, 23.VII.2005, ♀; Samsun: Karaköy, TİGEM, 22.VIII.1992, ♂; Tokat: 900 m, 19.VIII.1992, ♀, ♂; Trabzon: 31.VII.1996, ♀.

Pseudomalus bidentulus **(LEPELETIER 1806)**

M a t e r i a l e x a m i n e d : Ankara: 30.VII.1997, ♀;Bilecik: 600 m, 15.VI.1994, 3♀♀; Erzincan: 1250 m, 11.VII.1994, 2♀♀; Erzurum: Dereboğazı, 2070 m, 11.VIII.1994, ♀, Dutçu, 2000 m, 11.VIII.1992, ♀, 18.VIII.1993, ♀, Güzelova, 2200 m, 12.VIII.1992, ♀, ♂, Hamam Deresi, 19.VIII.1992, ♀, Kargapazarı Mts. 2400 m, 11.VII.1997, ♀, Köşk, 1900 m, 20.VI.1996, ♀, Palandöken, 2400 m, 21.VI.1994, ♀, 1.VII.1996, ♀, ♂, 13.VII.1993, ♂, 14.VII.1992, ♂, 23.VII.1996, 2♀♀, 23.VII.1997, 2♀♀, 10.VIII.1993, ♀, 13.VIII.1996, ♀, University field, 1850 m, 20.VI.1996, ♀, 1.VII.1992, ♂, 2.VII.1992, 2♀♀, ♂, 3.VII.1992, ♂, 6.VII.1992, ♀, 2♂♂, 29.VI.1992, 4♀♀, 15♂♂, 5.VIII.1996, ♂, 8.VIII.1993, ♂, 15.VIII.1993, ♀, ♂, 24.VIII.1993, ♂, Aşkale, 1800 m, 7.VII.1992, ♂, 16.VII.1999, ♂, Ortabahçe, 9.VIII.1994, ♂, Çat, 2260 m, 11.VII.1994, ♀, 2♂♂, Bozyazı, 1930 m, 11.VIII.1994, ♂, Ilıca, Atlıkonak, 1900 m, 12.VII.1997, 2♀♀, Rizekent, 2000 m, 30.VII.1998, ♀, Oltu, Başaklı, 1750 m, 30.VIII.1992, ♂,

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Çamlıbel, 1750 m, 2.VII.1997, ♀, 12.VIII.1998, ♂, Gökçedere, 1400 m, 14.VIII.1998, ♀, Sütkans, 1650 m, 25.VI.1996, ♀, Olur, Güngördü, 1900 m, 21.VIII.1992, ♂, Oğuzkent, 2050 m, 23.VII.1992, ♀, Süngübayır, 1850 m, 23.VII.1992, ♀, 20.VIII.1992, ♂, 1.IX.1993, ♀, Taşlıköy, 27.VII.1992, ♀, Pasinler, 1650 m, 13.VII.1992, 2♀♀, ♂, 24.VIII.1992, 2♀♀, Büyükdere, 1940 m, 10.VIII.1994, 2♀♀, ♂, Çalıyazı, 2400 m, 10.VII.1992, 3♀♀, Pelitli, 2000 m, 14.VII.1998, ♂, Şenkaya, 9.VII.1992, ♂, Gezenek, 1600 m, 14.VIII.1998, ♀, Penek, 9.VII.1992, ♀, Turnalı, 1750 m, 28.VII.1993, 3♀♀, ♂, Uzundere, 12.VIII.1993, ♂; Kars: Sarıkamış, 1900 m, 17.VIII.1998, ♂; Konya: Sille, 1350 m, 10.VIII.1999, ♀; Samsun: Gürgendağ, 22.VIII.1992, ♀; Tokat: 900 m, 19.VIII.1992, ♀.

Pseudomalus bogdanovi (RADOSZKOWSKI 1877)

Material examined: Artvin: 18.VIII.1993, ♂, Ardanuç, Akarsu, 900 m, 7.VII.1994, ♀, Bilecik: 600 m, 15.VII.1995, ♂; Erzincan: 1250 m, 6.VII.1994, ♀, 11.VII.1994, ♀, 18.VII.1997, 2♀♀, 2♂♂, 11.VIII.1993, ♀; Erzurum: Dereboğazı, 2070 m, 11.VIII.1994, ♀, Palandöken, 2400 m, 19.VIII.1993, 2♀♀, University field, 1850 m, 3.VII.1992, 2♀♀, 8.VII.1997, 2♀♀, 29.VII.1992, ♀, ♂, 10.VIII.1992, ♂, 15.VIII.1993, ♀, 28.VIII.1992, ♀, Ilıca, Rizekent, 2000 m, 30.VII.1998, ♂, Oltu, Başaklı, 1700 m, 30.VIII.1992, ♀, Dutlu, 1400 m, 26.VI.1997, ♀, Pasinler, 1650 m, 13.VI.1996, ♀, Çalıyazı, 2400 m, 10.VII.1997, 2♂♂, 11.VIII.1996, ♂, Pazaryolu, 1150 m, 27.VIII.1992, 2♀♀, Şenkaya, Penek, 1300 m, 9.VII.1992, ♀; Iğdır: 24.VIII.1997, ♀; Kars: Sarıkamış, Karakurt, 25.VIII.1997, ♂; Samsun: Çarşamba, 22.VIII.1992, ♀.

Pseudomalus punctulatus (DAHLBOM 1854)

Material examined: Bilecik: 600 m, 15.VIII.1995, ♀; Erzurum: Çat, Taşağıl, 12.VIII.1994, ♂, Ilıca, Atlıkonak, 2000 m, 29.VI.1999, ♂, İspir, Madenköprübaşı, 1100 m, 18.VI.1994, ♂, Olur, Süngübayır, 20.VII.1994, ♀.

Pseudomalus pusillus (FABRICIUS 1804)

Material examined: Kars: Sarıkamış, Karakurt, Şeytangeçmez, 1500 m, 2.VI.1999, 2♂♂, 11.VI.1998, ♂.

Pseudomalus triangulifer (ABEILLE 1877)

Material examined: Erzurum: Pasinler, Çalıyazı, 2400 m, 10.VII.1997, ♀.

Zusammenfassung

Die Arbeit behandelt Aufsammlungen von Elampinae, die im Zeitraum 1986 bis 2005 an verschiedenen Fundorten innerhalb der Türkei durchgeführt wurden. 61 Arten und Unterarten aus sieben Gattungen wurden nachgewiesen.

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